PHILIPS

15 AA 3537
17 AA 3547
21 AA 3557
- 21 PT 161 B
- 21 PT 164 B

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Installation

Follow the instructions very closely and step by step.
- ◦ This circle in front of a sentence indicates that you have to do something.
- ▷ This arrow in front of a sentence indicates the result of what you have done.

This bar in front of a sentence indicates help information.

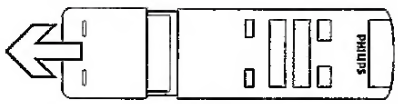
ENGLISH

Place the TV on a solid base.
Leave at least 3 cm around each side of the TV for ventilation.
The TV can only operate at a mains voltage of 220/240 V~, 50 Hz; consult your dealer if the mains supply is different.

- ◦ Connect the TV tightly to the mains supply socket.
- ◦ Connect the aerial (indoor or outdoor) plug to the ⌐⌐ socket on the back of the TV.

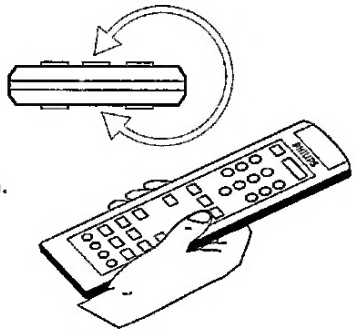
Make sure that the connection facilities to any TV installed in your house are in good condition. Only usa good quality aerial connectors and cables. The aerial plugs should be tightly connected.

Small screen TV's are equipped with a high performance indoor aerial, nevertheless in some circumstances (specific regions or if surroundad by high buildings) reception problems could occur. Further improvement of reception could be obtained by:
- Rotating or varying the angle of the aerial.
- Using othar aerial executions.
- Connecting your TV to an outdoor aerial.



Remote control

- ◦ Remove the battery cover.
- ◦ Insert the batteries, as indicated on the remote control.
- ◦ Replace the battery cover.



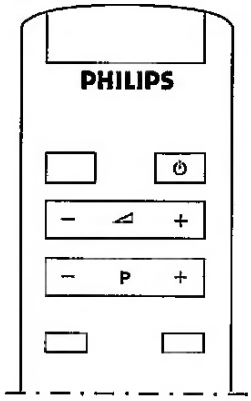
The remote control has a special switch inside. This switch provides that only one side of the remote control can be used at the sama tima (the top side). The switch prevents that buttons on the bottom part of the remote control are inadvertantly used although thay could be pressed. When moving quickly the remote control, you can hear the switch.
To obtain tha bast remote control performance, use it in horizontal position.

Control panel

The control buttons needed for adjusting the TV are located behind the control panel cover on tha front of the TV.
To open, simply press on the middle of the panel cover.

Switching TV on

- ◦ Press ⏻ on the front of the TV.
- ▷ The TV is switched on.
  Is the TV still switched off? Then the TV is on Stand-by.
- ◦ Press P — or + or a digit button on the remote control, or — or + on the TV, to switch on the TV.



Stand-by

- ◦ By pressing ⏻ on the remote control you can temporarily switch the TV off.
- ◦ Press P — or + or a digit button on the remote control, or — or + on the TV, to switch on the TV again.

Automatic switch off

If after a period of 15 minutes no aarial signal is received, the TV automatically switches to Stand-by.

Switch off your TV overnight instead of leaving it on Stand-by. You save energy and the picture tube is demagnetised which favours good picture quality.

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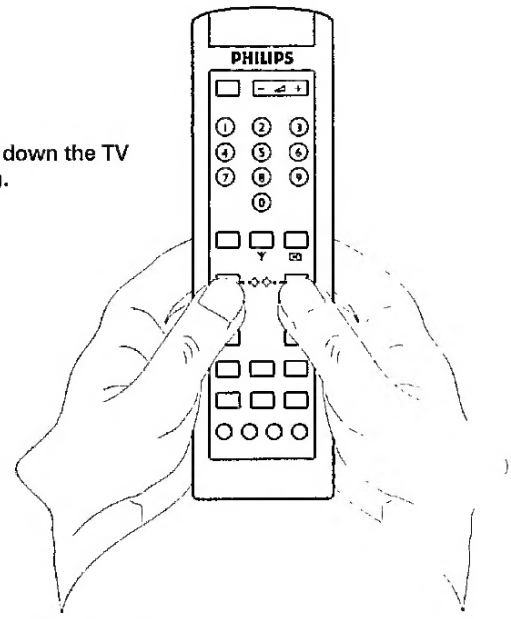
2 Storing TV channels



59 TV channels can be stored on program numbers. Write down the TV channels and the assigned program numbers while storing.

Follow carefully steps **a, b, c, d, e.**

a

- Press simultaneously the two ◇◇ buttons.
- ▹ The current program number and the TV-system are displayed on the screen.

b

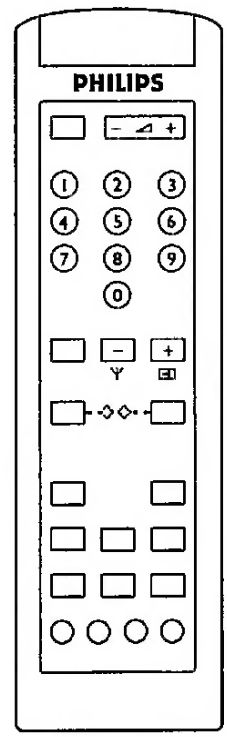
You can select a different TV-system for each separate program number.
You can select among the following TV-systems:

Region	TV-system	Used in
EUROPE	PAL BG - SECAM BG	West European countries except France, except United Kingdom and Ireland.
FRANCE	SECAM L L'	France.
UK	PAL I	United Kingdom and Ireland.

- Press Y one or more times to select the required TV-system.

c

- Press ⏭ to start the search.
- ▹ The TV automatically searches until a TV channel is found.
- If you want to continue searching for a specific TV channel then press ⏭ again.



d

- Press P — or + or one or two digit buttons to select the program number (1 to 59) where you want to store the TV channel.
- ▹ The selected program number is displayed on the screen.

The sound-volume of some TV channels can be somewhat higher or lower than normal. If necessary, you can adjust the sound-volume for this specific TV channel to normal sound-volume, by pressing ◿ — or +.

e

- Press simultaneously the two ◇◇ buttons to store this selection.

REPEAT Repeat steps **a, b, c, d, e,** until all the TV channels you require have been stored on program numbers.

Storing TV channels can be stopped by pressing simultaneously the two ◇◇ buttons.

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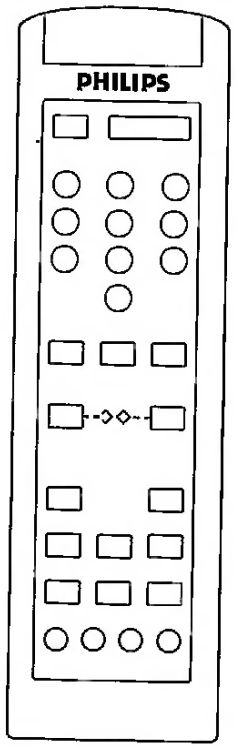
Auto Programming



The Auto Programming function can be used to find and store all available channels quickly. Channels are stored on program numbers in the same sequence as they are found.
After Auto Programming is started, the TV starts searching for a channel. If a channel is found, it will be automatically stored on program number 1. Searching will start again automatically. If another channel is found, it will be stored on program 2, etc.

Your TV can receive different TV systems. With Auto Programming the TV searches automatically through all TV systems and stores all TV channels available.
The TV systems are automatically selected as in the following sequence and channels in those TV systems are searched for automatically:

1 - TV system FRANCE (SECAM L L')
2 - TV system EUROPE (PAL/SECAM BG)
3 - TV system UK (PAL I)

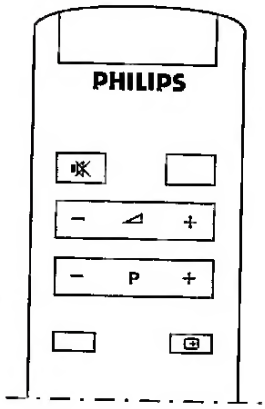
At the end of the Auto Programming cycle the TV switches to program 1.

- Press simultaneously the two ◇◇ buttons longer than 4 seconds to start the Auto Programming.

The Auto programming is stopped by pressing simultaneously the two ◇◇ buttons.

Operation

On Screen Display



The On Screen Display information allows you to see the program number on which a TV channel is stored, the timer status, and a moving bar if the volume is adjusted.

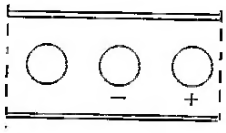
- Press ⊡ to display information on the screen.
- Press ⊡ again to switch off information.

Selecting TV channels

- Press P — or + or press one or two digit buttons on the remote control.
  To select a program number from 0 to 9 press one digit button.
  To select a program number from 10 to 59 you must press two digit buttons in less than 4 seconds.

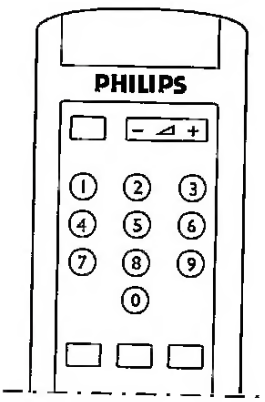
or

- Press — or + on the TV.



Volume control

- Press ◿ — or + on the remote control.



Interrupting the sound

- Press 🔇 to switch off the sound.
- Press 🔇 again or ◿ + to switch on the sound.

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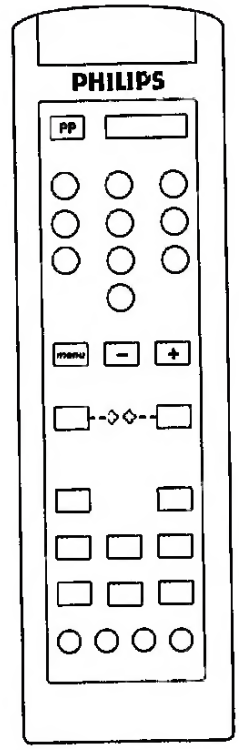
Menu on screen



With the menu on the screen you can change and store the picture and sound settings. Also you can set the timer.

When you switch on your TV, the picture and sound settings have certain values. These values are initially stored by the factory. Using the menu on screen you can change these values. Also if you store these values (by pressing simultaneously the two ◇◇ buttons after a change), the TV will switch on with your stored picture and sound values.

The stored picture and sound values can also be recalled by pressing PP.

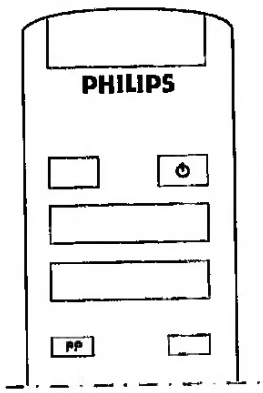
- Press MENU.
- ▹ **VOLUME** appears, adjust the volume by pressing — or +.
  If you went to store this setting press simultaneously the two ◇◇ buttons.

- Press MENU again.
- ▹ **BRIGHTNESS** appears, adjust the brightness by pressing — or +.
  If you want to store this setting press simultaneously the two ◇◇ buttons.

- Press MENU again.
- ▹ **CONTRAST** appears, adjust the contrast by pressing — or +.
  If you want to store this setting press simultaneously the two ◇◇ buttons.

- Press MENU again.
- ▹ **COLOUR** appears, adjust the colour by pressing — or +.
  If you want to store this setting press simultaneously the two ◇◇ buttons.

- Press MENU again.
- ▹ **TIMER** appears.
  The timer can be used to switch on or off the TV automatically efter the time you want. You can set the time after which the TV switches on or off in steps of 10 minutes, to a maximum of 24.00 hours.



Switching off automatically:

- Press — or + to select the time after which the TV should switch off.
  The count down starts immediately. You can see the remaining time by pressing ⊡ on the remote control.
  During the final minute of the selected time period, the seconds remaining are automatically shown on the screen.
  At the end of this time period the TV switches to stand-by mode.

Switching on automatically:

- Press — or + to select the time after which the TV should switch on.
  The count down starts immediately.
- Press ⏻ to switch the TV temporerily off.
- ▹ The TV will switch on after the time you have selected.

Note: If you switch on your TV again before the selected time hes elapsed, the timer will be switched off automatically.

If you do not press any button within 3 hours after the TV has switched on automatically, the TV will switch automatically to Stand-by egain.

If you want to stop the TIMER press — or + until the selected period on the screen is 00.00.

- Press MENU.
- ▹ The menu disappears.

If you want to leeve the menu, for example after changing the contrast setting, you can either wait epproximately 15 seconds or continue to press the MENU *button until the menu disappeers from the screen.*

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Teletext

A number of TV channels broadcast information vie teletext. Teletext is an information system which can be consulted the same way as a newspaper or magazine.

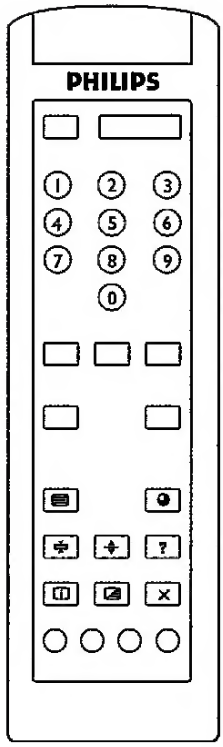
Teletext Time

The time can only be called up if the TV channel you are watching is also broadcasting teletext.

- Press ◕.
- ▹ The time appears.
- Press ◕ again to switch off the time.

Switching Teletext On and Off

- Select the TV chennel for the desired teletext broedcast.
- Press ▤ to switch on the teletext.
- ▹ The contents appear on the screen together with an information line at the top.



In the information line appears:

- the number of the pege requested.
- the page counter.
- date and time.

- only **P. 100** if there is no teletext broadcast.

- Press ▤ again to switch off the teletext.
- ▹ The TV chennel reappears.

Selecting a Teletext Page

Direct page selection

- Enter the desired page number with the digit buttons. The number of pages always includes 3 digits.
- ▹ The page counter seeks the page.
- ▹ If the counter keeps searching, then the page is not available or does not exist.

Does P ?... *appear or have you entered an incorrect number?*
First complete the number with random figures and then enter the correct page number again.

Selection with the options line

Signs red — and blue + of the option line enable the direct selection of the following or the previous page.

- Press the red button or the blue button on the remote control to select either the previous or the following page.

or

Certain teletext systems allows a quicker access to the headings; in this case the section names are displayed in the option line.

- Select the desired subject with the corresponding colour button on the remote control.

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Special teletext functions

Return to the contents

- Press [i].
- ▹ The table of contents will appear.

Hold

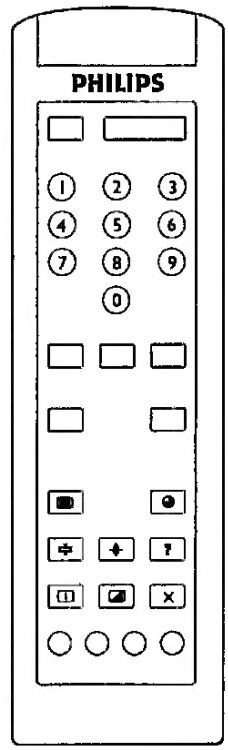
Sometime an information includ several pages following each other. In this case they are autometicelly displeyed in rotation. The total number of subpages and the subpage displayed are indicated on the screen. For example: 1/4, meaning page 1 out of 4 is being displayed.

- Press ⏸ to hold a page.
- ▹ ⏸ appears in the information line.
  The information in this subpage is not being updated anymore.
- Press ⏸ again.
- ▹ The page rotation starts again.

Reveal

Some pages contain concealed information, such as solutions to riddles and puzzles.

- Press ? to call up concealed information.
- Press ? again to switch off the concealed information.



Temporary interrupt of the teletext display

The search for a page may sometimes be quite long. In the meantime, you mey return to the picture broadcasted from the TV channel. Before interrupting teletext, you can select a page number.

- Press X.
- ▹ The TV chennel appears.
  ▤ indicates that you are still in the teletext mode. When the page has been found, the information line appears briefly on your screen.
- Press X again.
- ▹ Teletext reappears.

Enlarge

- Press ▲ to enlarge the top half of the teletext page.
- Press ▼ again to enlarge the bottom half of the teletext page.
- Press ▲ once more to return to normal page size.

Overlay of the teletext on the TV image

- Press ◪.
- ▹ The teletext page is superimposed over the TV program on the screen.
- Press ◪ again.
- ▹ Only the teletext page is displayed.

Selecting a specific subpage

Sometime an information includ several pages following each other. By adding a subcode you can call up a subpage and hold it.

- Enter the page number.
- Press ◕.
- Enter the subpage with 4 digits: e.g. 0003 for subpege 3.
  In the meantime, you may return to the picture broadcasted from the TV channel.
- Press X.
- ▹ The TV channel appears.
  ▤ indicates that you are still in the teletext mode. When the page has been found, the information line appears on your screen.
- Press X again.
- ▹ Teletext reappears.

- Press ◕ to return to the normal teletext function.

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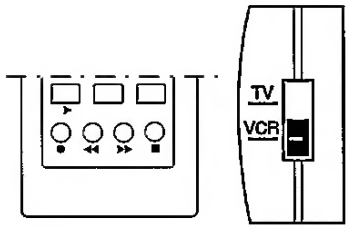
Peripheral connections

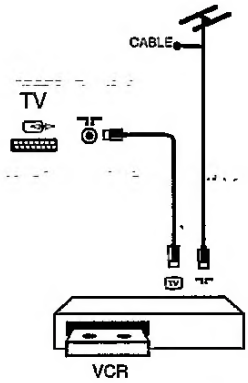
Using the TV remote control for the videorecorder



You can use your TV remote control to operate most of the video equipment of our range.

- Slide the TV/VCR switch to VCR position, then press the buttons you need to operate your VCR. Refer to the VCR instruction for use to see the relative buttons and function.

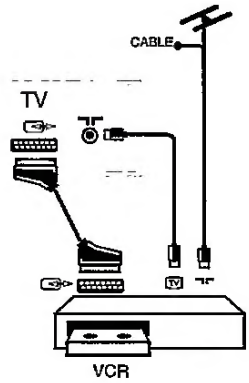
Aerial connection



You can connect your videorecorder or other equipment via the aerial connection on the back of the TV.

- Unplug the aerial plug from your TV and insert it into the aerial input of your equipment.
- Connect another aerial plug to the output TV of your equipment, connect the other side to the aerial input of your TV.
- Switch on your equipment.
- Check in the handbook of the particular equipment to see what the test signal looks like.
- Now, refer to the section **Storing TV channels** to search for and store this signal on a programme number. After that, you can receive signals from your aquipment on this programme number.

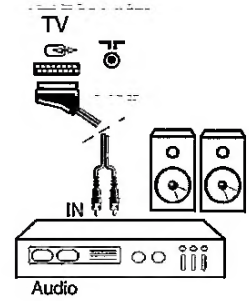
Euroconnection (scart) for e.g. videorecorder



You cen connect for exemple a videorecorder or setellite tuner to your TV via the euroconnector socket on the back of the TV. Ask your dealer for the appropriate cable.

- Connect the eurocable to the euroconnector socket of your videorecorder or electronic equipment and to the euroconnector socket of your TV.
- Connact an aerial cable to the output TV of your video recorder and to the aerial input of your TV.
- Normally if the electronic equipment is switched on, the picture will automatically appear on the TV screen; if not select program number 0.

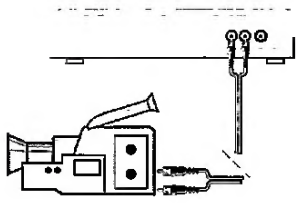
Euroconnection (scart) for audio amplifier



An external audio amplifier can be used to listen to your TV sound.
In this case you need a special euroconnector cable, provided with audio out plugs. Ask your dealer for an appropriate cable.

- Connect the audio plugs into the audio input of your audio amplifier.
- Connect the euroconnector into the euroconnector socket of your TV.

Audio/Video in connection



You can connect audio-video equipment, like a camcorder, to the AUDIO IN - VIDEO IN on the front of your TV. Ask your dealer for an appropriate cable.
NOTE: Do not use the Audio/Video IN connection and the Euroconnection at the same time.

- Connect your camcorder to the VIDEO IN end AUDIO IN of your TV.
- Press START or PLAY on your equipment.
- Select program number 0.
- ▷ The picture from your camcorder appears on the screen.

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Headphones

- Connect the headphones plug to the headphones socket on front of the TV.
- The internal loudspeakers of your TV are automatically switched off.

Tips

To clean the TV

Clean the TV using a slightly damp chamois leather.
Never use aggressive cleening egents.

Poor or no picture:

Are the plugs tightly connected to the aerial socket and are the connection facilities to any other installed TV in good condition?
Do you use good quality aerial connectors end cebles?
If en indoor aerial is used, refer to the section "Installation" to improve the reception.

TV switches automatically on or off.

Probably you have accidentally used the timer (see page 4).

Remote control is not working properly:

Probably the batteries ere flet, replace the batteries.
Are you directing the remote control towards the TV?
Do you hear something from your remote control?
The remote control has a special switch inside. When moving the remote control quickly you can hear the switch moving. The noise does not affect the performance.
Are you using the remote control in a sufficient horizontal position?
Is the TV/VCR switch slided to TV position?

No picture from electronic equipment connected via euroconnector or via Audio Video in:

Did you try selecting program 0?
Is the electronic equipment switched on and is START or PLAY pressed?

No solution:

Switch your TV off and on again with the ⏻ button.
Never attempt to repair a defective TV set yourself.
Switch off the TV end cell your dealer or TV-technician when nothing helps or when:

- A white horizontal stripe appeers ecross the whole screen.
- The red lamp below the screen starts blinking when no buttons are pressed on the remote control.

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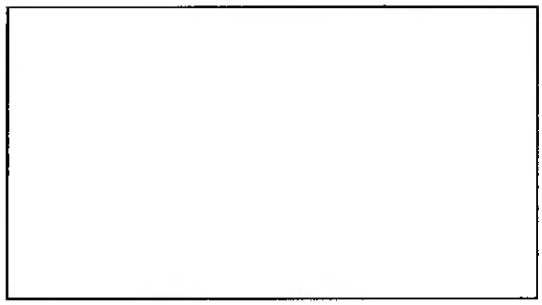

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